

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary Amendment**AMENDMENT TO THE CLAIMS**

1. (Currently Amended) A ~~digital video broadcast (DVB) device decoder, wherein the device decoder is connected to a~~ digital residential entertainment system (DRES), comprising:
 - a media server for tuning a transport layer and transmitting the transport layer over a network bus, ~~the DVB device decoder comprising:~~
 - a network input/output module for receiving the transport layer off the network bus;
 - a decryption module for decrypting the transport layer;
 - a demultiplexer for demultiplexing the transport layer; and
 - a decoder for decoding the transport layer.
2. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 further comprising a digital-to-analog converter for converting the digital transport layer to analog signals.
3. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 further comprising a conditional access system (CAS) for restricting access to media services offered via the transport layer to authorized customers.
4. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 3 wherein the CAS comprises a card reader and an access card.
5. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 3 wherein the CAS comprises a secured network CAS.

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary Amendment

6. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 5 wherein the secured network CAS comprises a secured Internet Protocol (IP) connection ~~from the DVB device decoder~~ to an authentication service provider.
7. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 6 wherein the secured Internet Protocol (IP) connection ~~from the DVB device decoder to an authentication service provider~~ is an IPsec connection.
8. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 5 wherein the secured network CAS comprises a broadband connection ~~from the DVB device decoder~~ to an authentication service provider.
9. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 8 wherein the broadband connection is a private virtual circuit (PVC) connection.
10. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 wherein the decrypting, demultiplexing and decoding functions are integrated into a single chip.
11. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 wherein the network input/output module, the decryption module, the demultiplexer and the decoder comprise a computer-readable medium comprising computer-readable instructions, which when executed perform the functions of the network input/output module, the decryption module, the demultiplexer and the decoder.
12. (Currently Amended) A digital residential entertainment system (DRES) comprising:

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary Amendment

a tuner array ~~for~~ receiving and demodulating a plurality of transport layers, ~~for~~ tuning to a specific transport layer identified by a ~~digital-video-broadcast (DVB) device~~ decoder and ~~for~~ sending the identified transport layer over a bus; ~~and~~

~~the DVB device decoder comprising~~ a network input/output module ~~for~~ retrieving the identified transport layer from the bus;

a decryption module ~~for~~ decrypting the identified transport layer;

a demultiplexer ~~for~~ demultiplexing the identified transport layer; and

the a decoder ~~for~~ decoding the identified transport layer.

13. (Currently Amended) The DRES of claim 12 wherein the ~~DVB device~~ decoder is part of a thin client set top box.
14. (Currently Amended) The DRES of claim 12, ~~wherein the DVB device decoder~~ further comprising comprises a digital-to-analog converter ~~for~~ converting the identified transport layer to analog signals.
15. (Currently Amended) The DRES of claim 12, ~~wherein the DVB device decoder~~ further comprising ~~comprises~~ a conditional access system (CAS) ~~for~~ restricting access to media services offered via the transport layer to authorized customers.
16. (Currently Amended) The DRES of claim 12 wherein the identified transport layer is an ~~100Mb~~ Ethernet transport layer.